

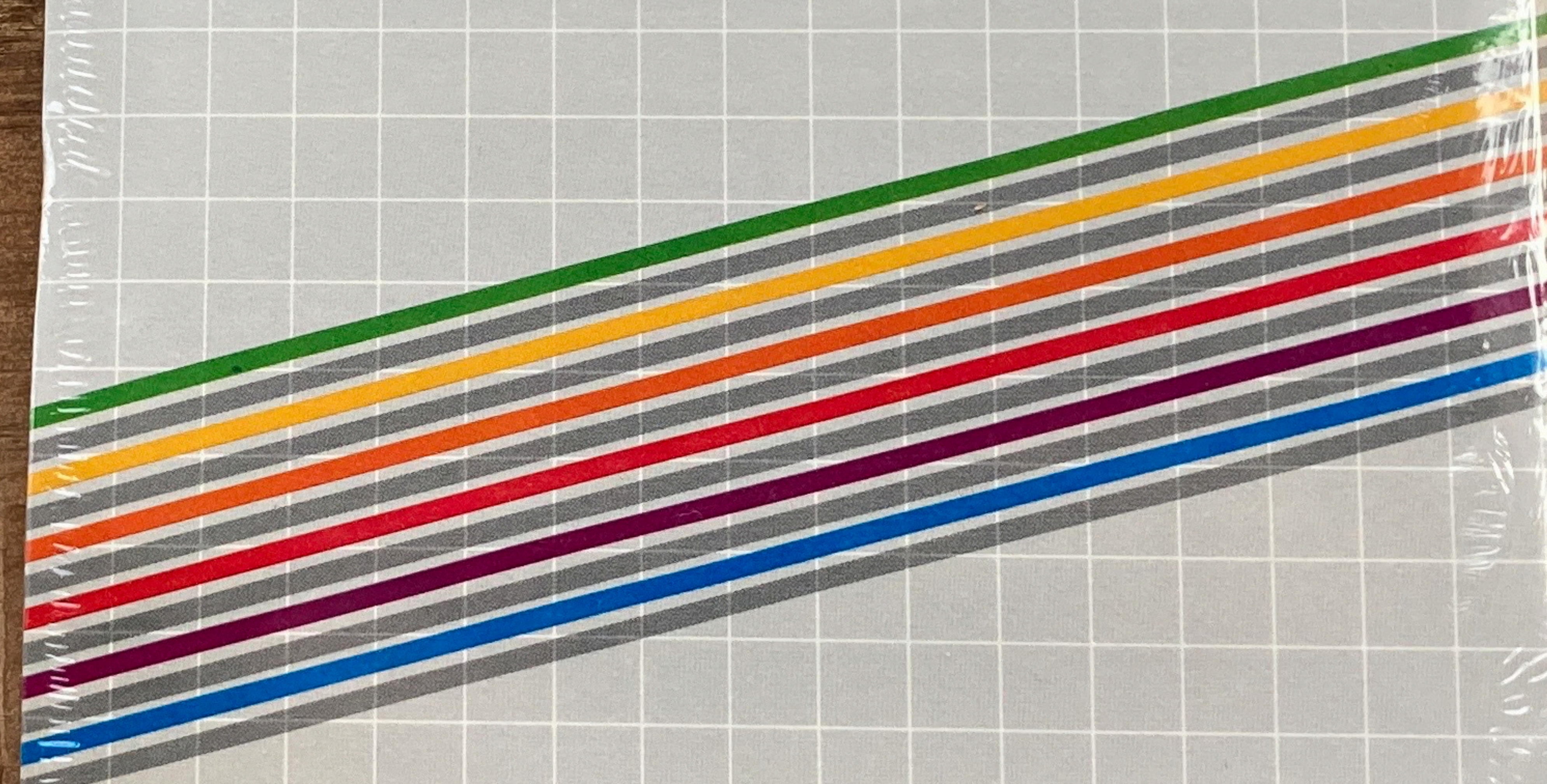


# CIRCUIT ANALYSIS

C2S0003 MASTER

©1981 Petrie

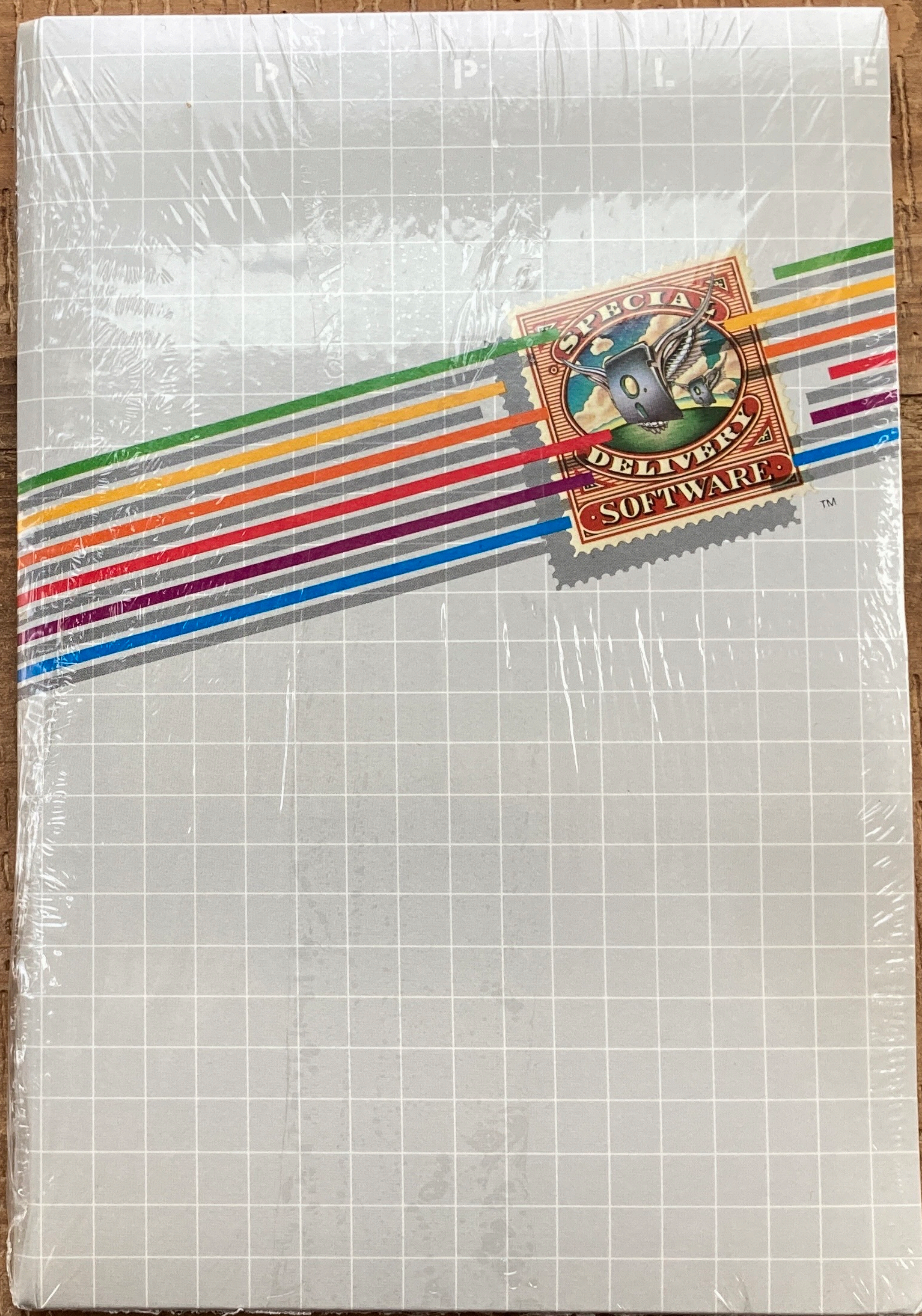
652-2054-0



 **apple computer inc.**

© 1980 by APPLE COMPUTER INC.





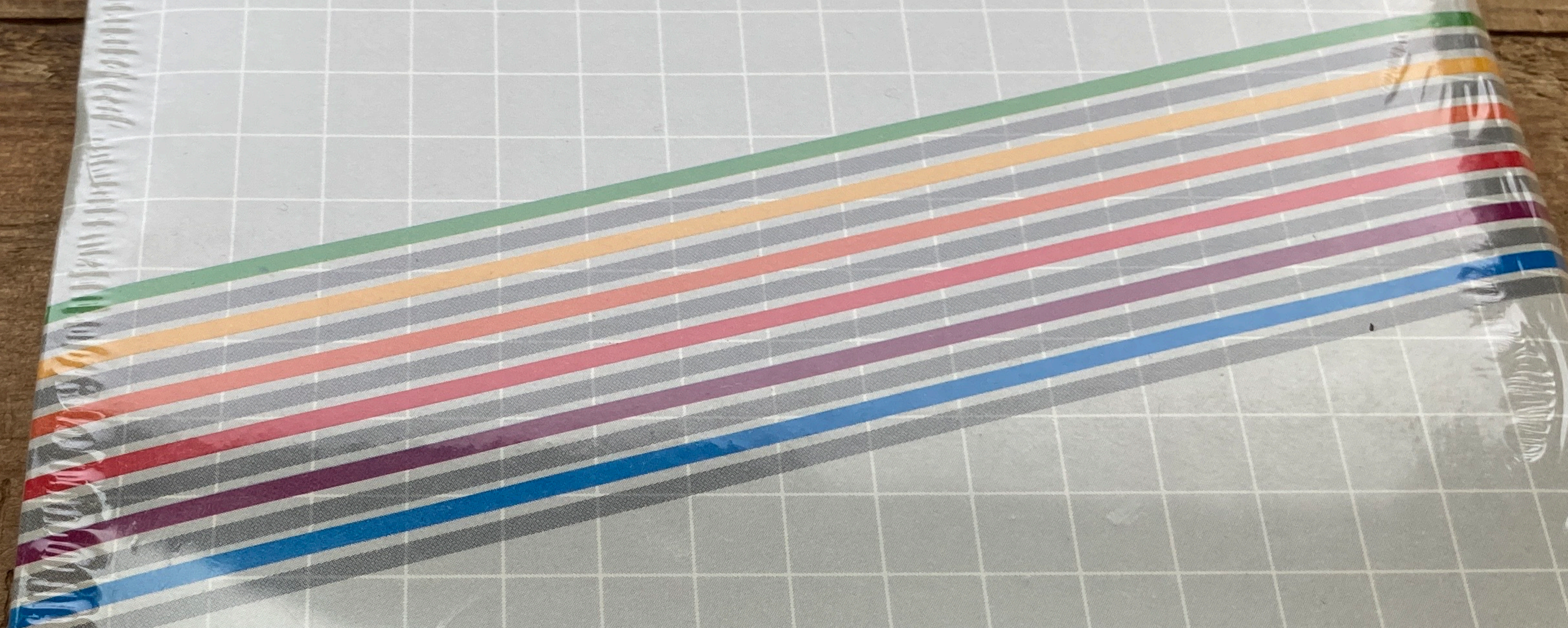




CIRCUIT ANALYSIS  
C250003 MASTER

© 1981 Delrin

4.00 MB 1.0



 **apple computer inc.**

© 1980 by APPLE COMPUTER INC.











Wri

In conjunction with Apple Computer Inc.



# SPECIAL DELIVERY SOFTWARE™ CUSTOMER LICENSE AGREEMENT

Dear Customer:

**IMPORTANT:** SPECIAL DELIVERY SOFTWARE products purchased from APPLE or authorized APPLE dealers are provided to you subject to the Terms and Conditions of this Software License Agreement. Should you decide that you cannot accept these Terms and Conditions, then you must return the product to the point of purchase, with all documentation and with this License, marked "REFUSED," within the 7-day examination period following receipt of the product.

1. **License.** APPLE grants to you, upon receipt of the product, a nonexclusive license to use the

of purchase. If, during this 90-day period, a defect in the diskette should occur, the diskette and a copy of your receipt may be returned to the SPECIAL DELIVERY SOFTWARE Operation at APPLE, and APPLE will replace the diskette without charge. Following the 90-day period, and for as long as the product remains in the SPECIAL DELIVERY SOFTWARE catalog, APPLE will replace defective diskettes for a fee of \$15. Your sole remedy in the event of a defect in the diskette is limited to the replacement of the diskette as provided above.



enclosed SPECIAL DELIVERY SOFTWARE product, subject to the terms and restrictions set forth in this License Agreement.

**2. Copyright.** SPECIAL DELIVERY SOFTWARE, including its documentation, is copyrighted by APPLE or, in some cases, by APPLE's software suppliers. You may not copy or otherwise reproduce the SPECIAL DELIVERY SOFTWARE or any part of it, except as expressly permitted in this License. Any SPECIAL DELIVERY SOFTWARE product that is not copy-protected may be copied for back-up use only, provided that you reproduce all copyright notices and other proprietary legends on such copies.

**3. Restrictions on Use and Transfer.** The original and any back-up copies of SPECIAL DELIVERY SOFTWARE are intended for your personal use in connection with a single computer. You may not distribute copies of, or any part of, SPECIAL DELIVERY SOFTWARE to others without the specific granting of a Software Distribution License from APPLE for that purpose.

**4. Media Warranty.** To the original purchaser only, APPLE warrants the diskettes on which SPECIAL DELIVERY SOFTWARE is recorded to be free from defects in materials and faulty workmanship under normal use for a period of 90 days after the date

**5. LIMITATIONS ON WARRANTY AND LIABILITY.** EXCEPT AS EXPRESSLY PROVIDED FOR MEDIA, APPLE AND ITS SOFTWARE SUPPLIERS, DISTRIBUTORS, AND DEALERS MAKE NO WARRANTIES, EITHER EXPRESSED OR IMPLIED, WITH RESPECT TO THE SPECIAL DELIVERY SOFTWARE, ITS MERCHANTABILITY, OR ITS FITNESS FOR ANY PURPOSE. SPECIAL DELIVERY SOFTWARE IS LICENSED SOLELY ON AN "AS IS" BASIS. THE ENTIRE RISK AS TO ITS QUALITY AND PERFORMANCE IS WITH YOU. SHOULD THE SPECIAL DELIVERY SOFTWARE PROVE DEFECTIVE, YOU (AND NOT APPLE OR ITS SUPPLIERS, DISTRIBUTORS, OR DEALERS) ASSUME THE ENTIRE COST OF ALL NECESSARY SERVICING, REPAIR, OR CORRECTION, AND ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES. IN NO EVENT WILL APPLE OR ITS SUPPLIERS, DISTRIBUTORS, OR DEALERS BE LIABLE FOR DIRECT, INDIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGES RESULTING FROM ANY DEFECT IN THE SOFTWARE, EVEN IF THEY HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF IMPLIED WARRANTIES OR LIABILITY FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS MAY NOT APPLY TO YOU.

#### **SPECIAL DELIVERY SOFTWARE™**

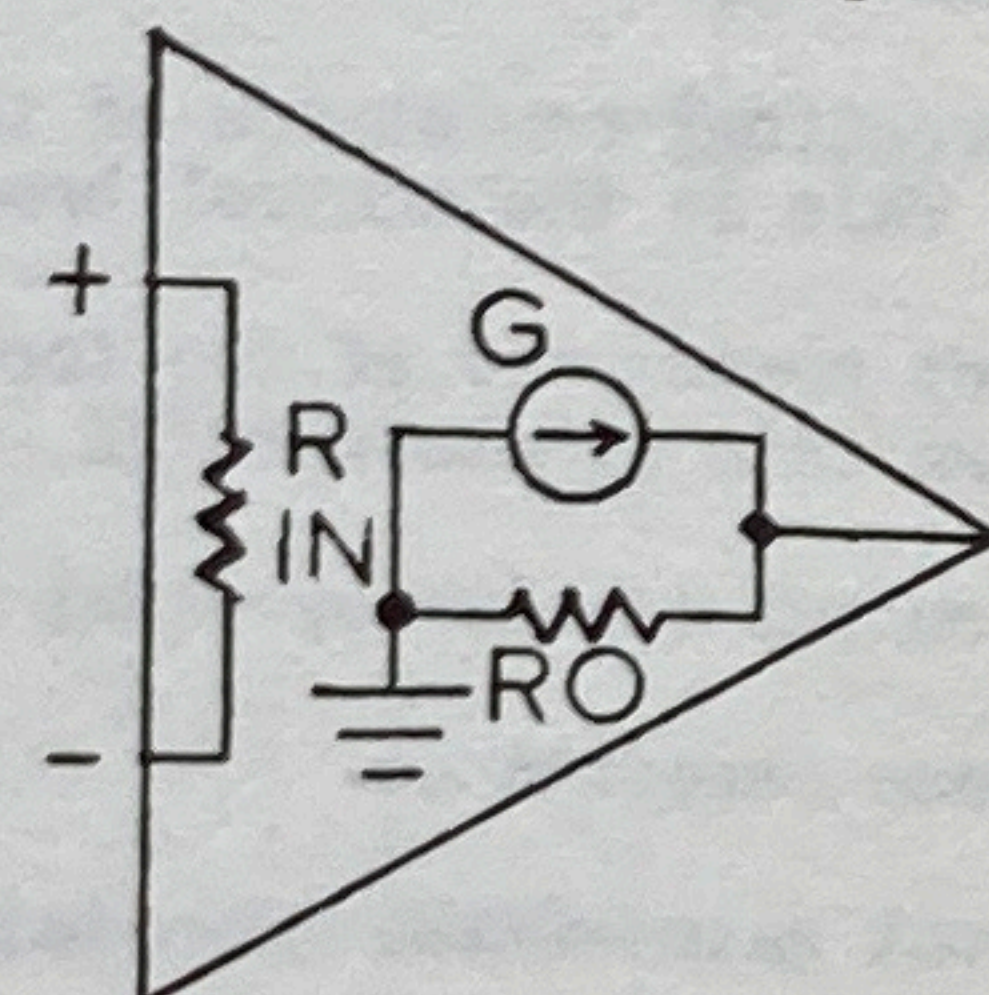
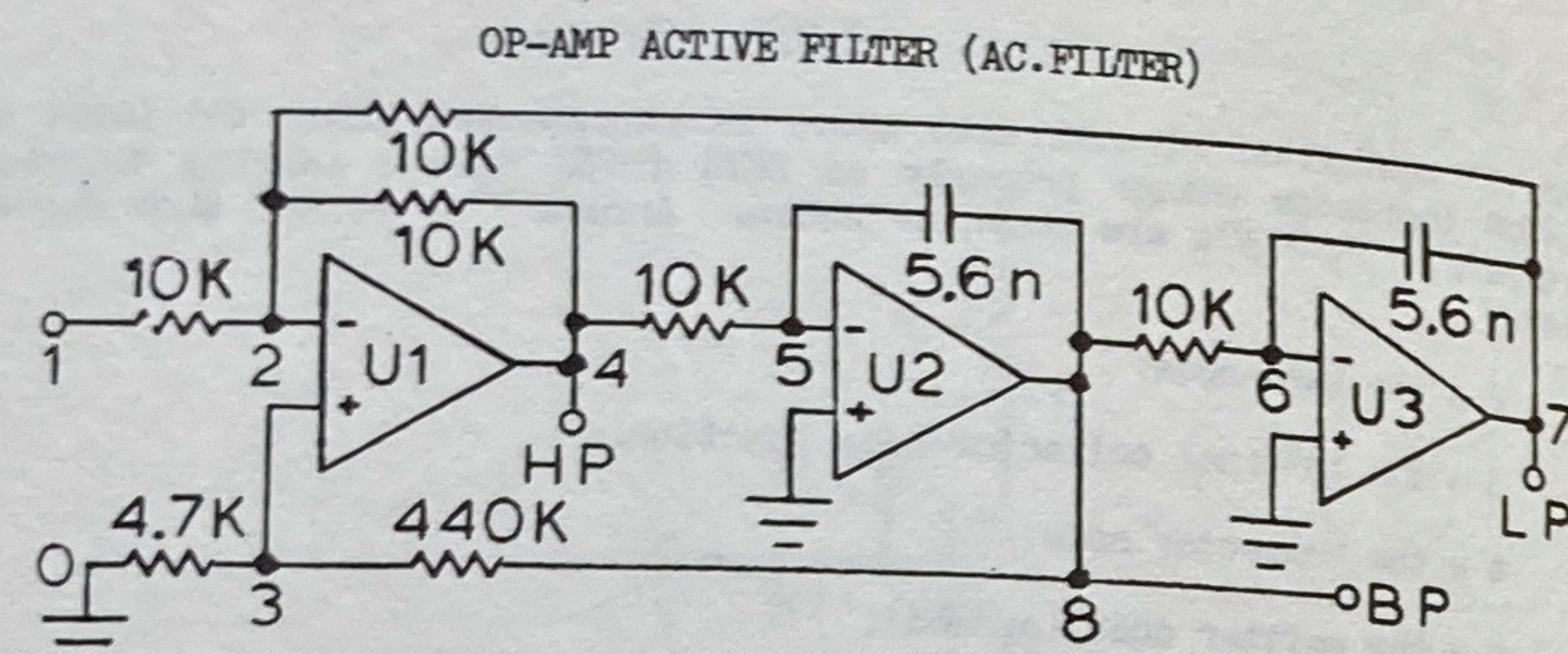
10260 Bandley Drive  
Cupertino, CA 95014

Written by A. F. Petrie

In conjunction with Apple Computer Inc.

## **CIRCUIT ANALYSIS**





PART	VALUE	TOL%	FROM	TO	C-PART
VG	1	0	0	1	
RG	1	0	0	1	
RS1	10E3	5	1	2	
RFB1	10E3	5	4	2	
RIN1	1E6	5	3	2	
R+G1	4700	5	3	0	
RO1	100	0	4	0	
G1	1E3	30	0	4	RIN1
RS2	10E3	5	4	5	
CFB2	5.6E-9	5	8	5	
RIN2	1E6	5	0	5	
RO2	100	0	8	0	
G2	1E3	30	0	8	RIN2
RS3	10E3	5	8	6	
CFB3	5.6E-9	5	7	6	
RIN3	1E6	5	0	6	
RO3	100	0	7	0	
G3	1E3	30	0	7	RIN3
R2-1	440E3	5	8	3	
R3-1	10E3	5	7	2	

#### NOTES

This is a three-amplifier, statevariable 3-kHz bandpass filter. The normal

output is node 8. Look at node 7 to see the low-pass response, or node 4 to see the high-pass response.



#### APPENDIX B - SETTING UP THE APPLE II SYSTEM

This appendix includes a list of the equipment you will need to use the Circuit Analysis Programs on your Apple II. You do not need to read all the manuals but they should be on hand to answer questions that may arise in operating the equipment (eg. how to boot the diskette).

In order to be able to provide Special Delivery Software at a lower cost the master program diskette has been copy protected and write protected. It is suggested that you put this diskette in a safe place in the event that you should need to use it following damage to the backup diskette.

The Circuit Analysis programs are written in Applesoft BASIC. To use them you will need the following equipment.

- an Apple II Plus with 48K bytes of RAM; or
- an Apple II with 48K bytes RAM and an Applesoft firmware card; or
- an Apple II with the Language System.

Plus:

- an Apple Disk II with Controller (16 sector PROMs);
- a video monitor or television.

For reference you should have on hand a copy of the following manuals:

- This Manual;
- Apple II BASIC Programming Manual (Setting up the Apple II);
- DOS Manual (How to boot the diskettes).



## APPENDIX B - SETTING UP THE APPLE II SYSTEM

includes a list of the equipment you will need to use the Analysis Programs on your Apple II. You do not need to read all the they should be on hand to answer questions that may arise in equipment (eg. how to boot the diskette).

to be able to provide Special Delivery Software at a lower cost program diskette has been copy protected and write protected. It hat you put this diskette in a safe place in the event that you use it following damage to the backup diskette.

it Analysis programs are written in Applesoft BASIC. To use need the following equipment.

II Plus with 48K bytes of RAM; or

II with 48K bytes RAM and an Applesoft firmware card; or

II with the Language System.

isk II with Controller (16 sector PROMs);

onitor or television.

re you should have on hand a copy of the following manuals;

;

SIC Programming Manual (Setting up the Apple II);

(How to boot the diskettes).



# THE APPLE II SYSTEM

equipment you will need to use the  
I. You do not need to read all the  
answer questions that may arise in  
the diskette).

l Delivery Software at a lower cost  
protected and write protected. It  
a safe place in the event that you  
the backup diskette.

itten in Applesoft BASIC. To use

M; or

Applesoft firmware card; or

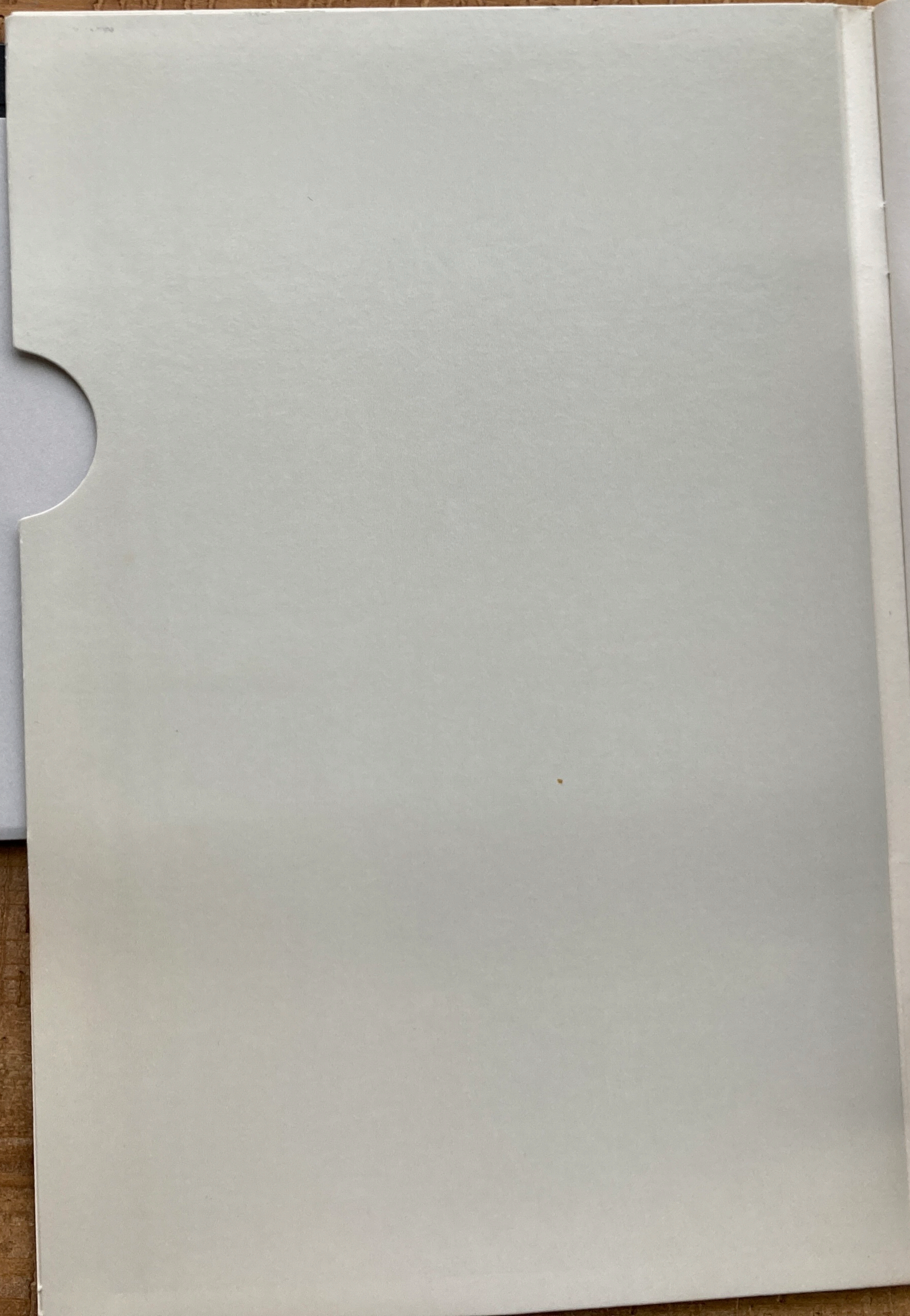
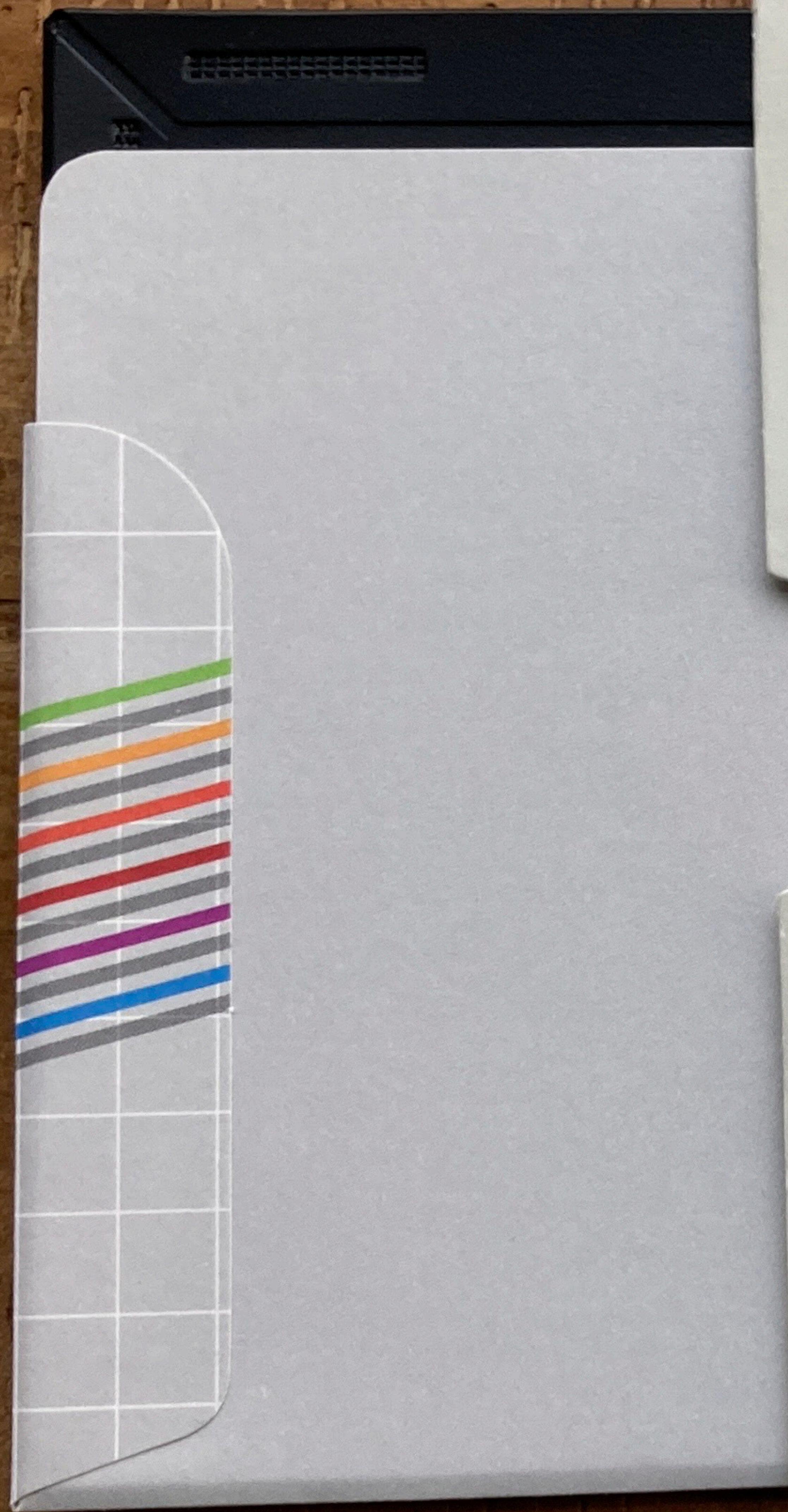
ector PROMs);

copy of the following manuals:

ing up the Apple II);







# **SPECIAL DELIVERY SOFTWARE™ CUSTOMER LICENSE AGREEMENT**

CIRCU

At is 00 day period, a defect



